

10/799,990

ENCLOSURE (C)



AMENDMENT "A" MARKED UP CLAIMS

What is claimed is:

1. (cancelled)
2. (cancelled)
3. (currently amended)     A beam as claimed in Claim ~~[[2]]~~ 15, wherein each plywood flange had a width that extends beyond the ~~supporting~~ web on each side thereof by about 1/3 of ~~its total~~ the respective width.
4. (currently amended)     A beam as claimed in Claim ~~[[2]]~~ 15, wherein the side walls are made from one of hardboard, plywood, or cardboard.
5. (currently amended)     A beam as claimed in Claim ~~[[2]]~~ 15, wherein the side walls are formed from a lesser thickness material than the material of the flanges.
6. (currently amended)     A beam as claimed in Claim ~~[[2]]~~ 15, wherein the core comprises a plurality of layers of corrugated paper or cardboard which are each coated in a suitable adhesive and laminated together.
7. (original)     A beam as claimed in Claim 6, wherein the corrugations in the different layers of the core all run in the same direction.

8. (cancelled)

9. (cancelled)

10. (cancelled)

11. (currently amended) A beam as claimed in Claim 3, wherein the cavity within the web has a transverse width of ~~the cavity within the web~~ is between 20-35% of the width of the flanges and typically 25-35%.

12. (currently amended) A beam as claimed in Claim ~~[[2]]~~ 15 and further including a plurality of dowels mounted on the web and spaced longitudinally along its length.

13. (currently amended) A building panel having a rectangular frame with both faces covered in board material, the frame comprising top and bottom rails which are joined together by a plurality of spaced apart wood composite "I" beams as claimed in Claim ~~[[2]]~~ 15 extending therebetween.

14. (currently amended) A building panel having a rectangular frame with both faces covered in board material, the frame comprising top and bottom rails which are joined together by a plurality of spaced apart wood composite beams extending therebetween, the beams comprising outer beams with inner beams spaced therebetween, the outer beams being beams in accordance with Claim 12.

15. (new) A wooden composite I beam having upper and lower plywood flanges interconnected by a web comprising a pair of spaced apart planar side walls having a cavity therebetween, the sidewall being formed from wood or wood derivative materials with the cavity within the web being filled with a core of corrugated paper or corrugated cardboard, the core being adhered to the surrounding flanges and walls.

16. (new) A beam as claimed in claims 15, wherein the plywood flanges comprise veneers of wood with each flange having an outer veneer with the wood grain in the outer veneer extending longitudinally of the beam.

17. (new) A beam as claimed in claim 11, wherein the cavity within the web has a transverse width of between 25-35%.

10/799,990

ENCLOSURE (D)



AMENDMENT "A" MARKED UP ABSTRACT

ABSTRACT

A wooden composite "I" Beam 10 ~~comprising~~ with upper and lower plywood flanges 11,12 interconnected by a web 13 ~~comprising~~ having a pair of widely spaced apart planar side walls 25 26 formed from wood or wood derivative material. The cavity formed within the web 13 is filled with a core of cellular material 17 corrugated cardboard or paper which is adhered to the side walls and  
10 flanges using adhesive resin.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Wynn Peter Holloway

Examiner: Christine T Cajilig

Serial No: 10/799,990

Art Unit: 3637

Filed: 03/12/2004

Docket No: P451

For: COMPOSITE BEAM

September 22, 2006

Mail Stop: Non-Fee Amendment  
Commissioner for Patents  
P O Box 1450  
Alexandria, VA 22313-1450

Attention: Chief Draftsperson

DRAWING AMENDMENT "A"

In response to Office Action dated Replacement Sheets 1/1 through 1/3 containing Figs. 1 through 6 are enclosed herewith. Please substitute them for the sheets previously filed.

COMMENTS

In Fig. 1 the numeral 24 had been changed to 18.

In Fig. 2 dimension line L has been added.

In Fig. 3 dimension line W2 has been added and the numerals 51 have been added in two locations.

In Fig. 4 dimension line L has been added.

In Fig. 5 the numeral 51 has been added in two locations.

In Fig. 6 the numerals 42 and 104 have been removed and the numeral 43 has been changed to 143.

No changes have been made in any of the drawing lines in any of the Figs. 1 through 6.

Respectfully submitted,

Attorney for Applicant

Paul E Milliken  
9061 Wall Street, NW



2

Phone: (330) 830-1555  
Fax: (330) 830-0266

Encl

**Certificate of Mailing**

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as Express mail in an envelope addressed to Mail Stop: Non-Fee Amendment, Commissioner for Patents, P O Box 1450, Alexandria, VA 22313-1450 on September 22, 2006.

Paul E Milliken

Signature

*Paul E Milliken*